

# PATENT COOPERATION TREATY

## PCT

### INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference FE251553	<b>FOR FURTHER ACTION</b>		See item 4 below
International application No. PCT/KR2005/000141	International filing date (day/month/year) 14 January 2005 (14.01.2005)	Priority date (day/month/year) 15 January 2004 (15.01.2004)	
International Patent Classification (8th edition unless older edition indicated) See relevant information in Form PCT/ISA/237			
Applicant UTSTARCOM KOREA LIMITED			

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1. This international preliminary report on patentability (Chapter I) is issued by the International Bureau on behalf of the International Searching Authority under Rule 44 bis.1(a).

2. This REPORT consists of a total of 4 sheets, including this cover sheet.

In the attached sheets, any reference to the written opinion of the International Searching Authority should be read as a reference to the international preliminary report on patentability (Chapter I) instead.

3. This report contains indications relating to the following items:

- |                                     |              |   |
|-------------------------------------|--------------|---|
| <input checked="" type="checkbox"/> | Box No. I    | Basis of the report   |
| <input type="checkbox"/>            | Box No. II   | Priority  |
| <input type="checkbox"/>            | Box No. III  | Non-establishment of opinion with regard to novelty, inventive step and industrial applicability  |
| <input type="checkbox"/>            | Box No. IV   | Lack of unity of invention  |
| <input checked="" type="checkbox"/> | Box No. V    | Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement |
| <input type="checkbox"/>            | Box No. VI   | Certain documents cited   |
| <input type="checkbox"/>            | Box No. VII  | Certain defects in the international application  |
| <input type="checkbox"/>            | Box No. VIII | Certain observations on the international application   |

4. The International Bureau will communicate this report to designated Offices in accordance with Rules 44bis.3(c) and 93bis.1 but not, except where the applicant makes an express request under Article 23(2), before the expiration of 30 months from the priority date (Rule 44bis.2).

Date of issuance of this report  
17 July 2006 (17.07.2006)

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland  Facsimile No. +41 22 338 82 70	Authorized officer  Philippe Becamel  e-mail: pt12@wipo.int
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PCT/KR2005/000141

PATENT COOPERATION TREATY

From the  
INTERNATIONAL SEARCHING AUTHORITY

REC'D 10 MAY 2005

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WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

(PCT Rule 43bis.1)

Date of mailing  
(day/month/year) 28 APRIL 2005 (28.04.2005)

Applicant's or agent's file reference  
FE251553

FOR FURTHER ACTION

See paragraph 2 below

International application No.

PCT/KR2005/000141

International filing date (day/month/year)

14 JANUARY 2005 (14.01.2005)

Priority date(day/month/year)

15 JANUARY 2004 (15.01.2004)

International Patent Classification (IPC) or both national classification and IPC

IPC7 H04Q 7/34

Applicant

UTStarcom Korea Limited et al

1. This opinion contains indications relating to the following items:

- Box No. I Basis of the opinion
- Box No. II Priority
- Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- Box No. IV Lack of unity of invention
- Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- Box No. VI Certain documents cited
- Box No. VII Certain defects in the international application
- Box No. VIII Certain observations on the international application

2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA") except that this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of 3 months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later. For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA/KR



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WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY

International application No.

PCT/KR2005/000141

**Box No. I Basis of this opinion**

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.  
 This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
  - a. **type of material**  
 a sequence listing  
 table(s) related to the sequence listing
  - b. **format of material**  
 in written format  
 in computer readable form
  - c. **time of filing/furnishing**  
 contained in the international application as filed.  
 filed together with the international application in computer readable form.  
 furnished subsequently to this Authority for the purposes of search.
3.  In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

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**WRITTEN OPINION OF THE  
INTERNATIONAL SEARCHING AUTHORITY**

International application No.

PCT/KR2005/000141

**Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement**

**1. Statement**

Novelty (N)	Claims	1-6	YES
	Claims		NO
Inventive step (IS)	Claims	2-5	YES
	Claims	1	NO
Industrial applicability (IA)	Claims	1-6	YES
	Claims		NO

**2. Citations and explanations :**

Reference is made to the following documents:

D1: US 5889470A (30 March 1999)

D2: 2002152294A1 (17 October 2002)

**1. Novelty**

Claims 1-6 are considered to be novel considering the available prior art, because the prior art does not involve any of the technical features as specifically set out in the claims of the present invention.

**2. Inventive step**

The subject matter of the present invention relates to the MIB (Management Information Base) structure that communicates between the NMS (Network Management System) and the NE (Network Element). This invention consists of object-type tables, object-info tables, base-info tables, syntax tables and sequence-info tables.

D1 provides a constructed management information base that collects a plurality of object and assembles said plurality of objects. It also discloses object-type info, syntax integer and syntax sequence and various base-info tables.

D2 is concerned with a computer-implemented method and apparatus that represents system management information for components of the system as instances of object classes within a defined inheritance hierarchy. Pursuant to the embodiment in D2, the root class is represented in a Management Information Base (MIB) table with the classes at lower levels in the hierarchy being represented by respective extension tables.

Given the technical features in D1 and D2, claim 1 of the present invention can be anticipated by a person skilled in the art by combining the technical features disclosed in the cited documents. Consequently, claim 1 does not involve inventive step under Article 33(3) PCT.

**3. Industrial applicability**

Claims 1-6 meet the criteria of PCT Article 33(4) because the invention can be used in industry.

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